
Simple Notification Service

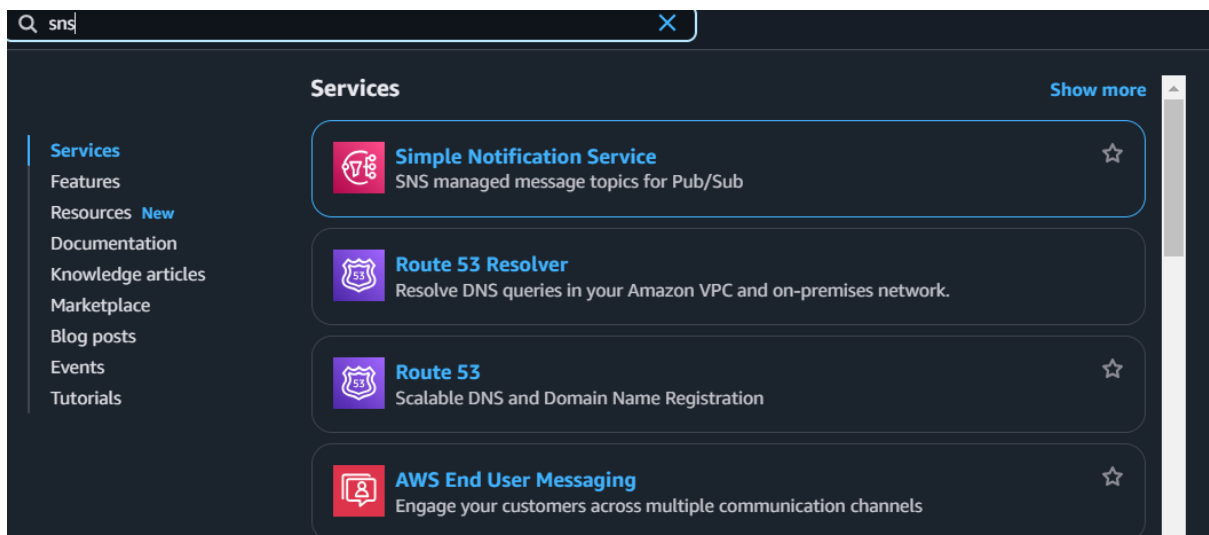
Amazon SNS (Simple Notification Service) is a fully managed messaging service for sending notifications to subscribers via multiple protocols like email, SMS, HTTP/S, and AWS Lambda.

➤ **Steps Following are :**

1. Set up an AWS account.
2. Open the Amazon SNS console.
3. Create a topic.
4. Add subscriptions (e.g., email, SMS, Lambda).
5. Publish messages to the topic.

➤ **Visual Steps following are :-**

➤ **Step 1:**



➤ **Step 2:**

Create topic

Details

Type [Info](#)

Topic type cannot be modified after topic is created

☐ FIFO (first-in, first-out)

- Strictly-preserved message ordering
- Exactly-once message delivery
- Subscription protocols: SQS

☒ Standard

- Best-effort message ordering
- At-least once message delivery
- Subscription protocols: SQS, Lambda, Data Firehose, HTTP, SMS, email, mobile application endpoints

Name

Amit1

Maximum 256 characters. Can include alphanumeric characters, hyphens (-) and underscores (_).

Display name - *optional* [Info](#)

To use this topic with SMS subscriptions, enter a display name. Only the first 10 characters are displayed in an SMS message.

Amit1

Maximum 100 characters.

➤ Step 3:

► Encryption - *optional*

Amazon SNS provides in-transit encryption by default. Enabling server-side encryption adds at-rest encryption to your topic.

➤ Step 4:

► Access policy - *optional* [Info](#)

This policy defines who can access your topic. By default, only the topic owner can publish or subscribe to the topic.

➤ Step 5:

► Archive policy - *new, optional* [Info](#)

This policy tells Amazon SNS how long to store your messages so that they can be resent to a subscription. By default, Amazon SNS does not retain your messages.

➤ Step 6:

► Delivery status logging - *optional* [Info](#)

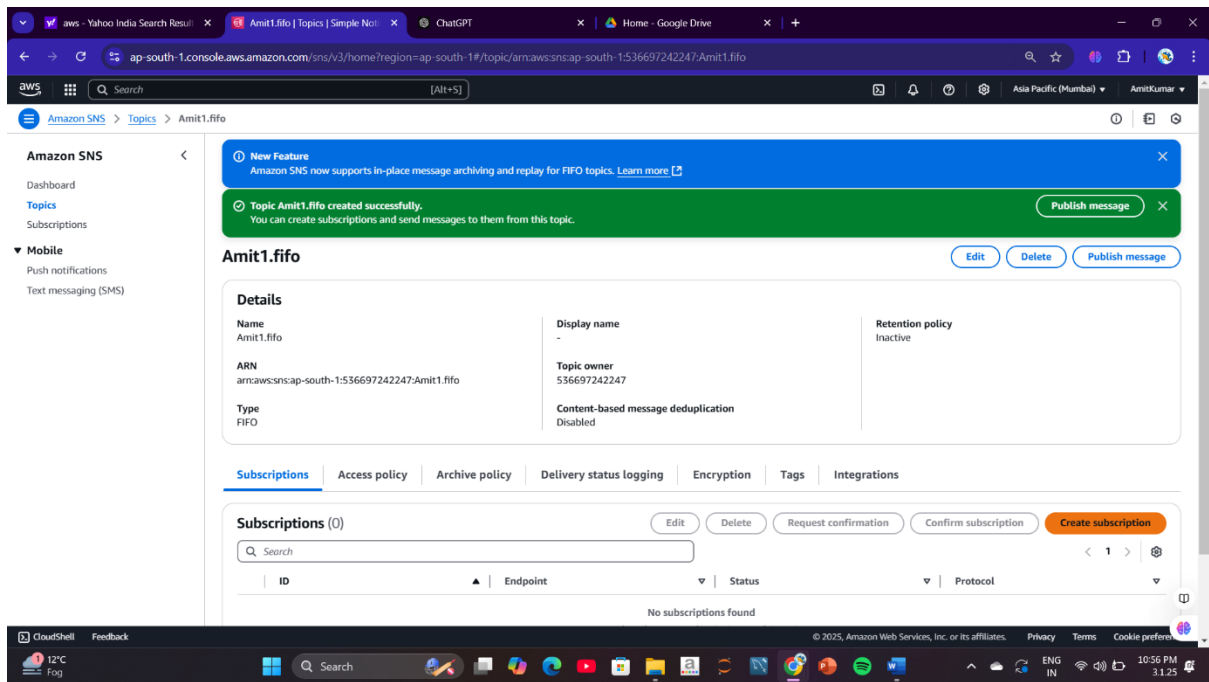
These settings configure the logging of message delivery status to CloudWatch Logs.

➤ Step 7:

► Tags - *optional*

A tag is a metadata label that you can assign to an Amazon SNS topic. Each tag consists of a key and an optional value. You can use tags to search and filter your topics and track your costs.

➤ Step 8:



➤ Step 9:

Create subscription

Details

Topic ARN

arn:aws:sns:ap-south-1:536697242247:Amit1

Protocol

The type of endpoint to subscribe

Select protocol

Amazon Kinesis Data Firehose
Amazon SQS
AWS Lambda
Email
Email-JSON
HTTP
HTTPS
Platform application endpoint
SMS

➤ Step 10:

► Subscription filter policy - *optional* [Info](#)

This policy filters the messages that a subscriber receives.

➤ Step 11:

► Redrive policy (dead-letter queue) - *optional* [Info](#)

Send undeliverable messages to a dead-letter queue.

► Step 12:

Save changes

Subscription arn:aws:sns:ap-south-1:536697242247:Amit1:75393c19-485f-4e2d-8bb0-4ba6c084e172 saved successfully.

Subscription: 75393c19-485f-4e2d-8bb0-4ba6c084e172

Details

ARN

arn:aws:sns:ap-south-1:536697242247:Amit1:75393c19-485f-4e2d-8bb0-4ba6c084e172

Endpoint

+918287655212

Topic

[Amit1](#)

Subscription Principal

arn:aws:iam::536697242247:root

Status

✔ Confirmed

Protocol

SMS

► Step 13:

Publish message to topic

Message details

Topic ARN

arn:aws:sns:ap-south-1:536697242247:Amit1

Subject - *optional*

Hurry ! Amazon Offer !

Maximum 100 printable ASCII characters

Time to Live (TTL) - *optional* | [Info](#)

This setting applies only to mobile application endpoints. The number of seconds that the push notification service has to deliver the message to the endpoint.

► Step 14:

Message body

Message structure

☒ Identical payload for all delivery protocols.
The same payload is sent to endpoints subscribed to the topic, regardless of their delivery protocol.

☐ Custom payload for each delivery protocol.
Different payloads are sent to endpoints subscribed to the topic, based on their delivery protocol.

Message body to send to the endpoint

1

If you purchase Grocey Items on 25th December. You will get Huge Discount On each and every items.

➤ Step 15:

Message attributes [Info](#)

Message attributes let you provide structured metadata items (such as timestamps, geospatial data, signatures, and identifiers) for the message.

Type	Name	Value
<input type="text" value="Select attribute type"/>	<input type="text" value="Enter attribute name"/>	<input \"value2\"]"="" type="text" value="value or [\" value1\",=""/>
Add another attribute		

➤ Step 16:

✔ Message published to topic **Amit1** successfully.
Message "ID": 42718b30-63dc-5653-8815-d4c24148c1d2
Request "ID": ad546ebb-d30e-52b8-bb07-3149f19d0539

[Publish another message](#) ✕